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OM protein - protein search, using sw model

Run on: September 27, 2001, 16:41:50 ; Search time 21.67 Seconds
(without alignments)
309.758 Million cell updates/sec

Title: US-09-483-543A-9
Perfect score: 1733
Sequence: 1 KRGCAGNFDSEERSRWYGR.....SGCGXGLEVLFQGPVRKXG 326

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 197339 seqs, 20590346 residues

Total number of hits satisfying chosen parameters: 197339

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep.*
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep.*
3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep.*
4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep.*
5: /cgn2_6/ptodata/2/1aa/PCMus.COMB.pep.*
6: /cgn2_6/ptodata/2/1aa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1129	65.1	256	1 US-07-906-349A-8	Sequence 8, Appli
2	1129	65.1	256	1 US-08-167-035-4	Sequence 4, Appli
3	1129	65.1	256	1 US-08-208-887A-4	Sequence 4, Appli
4	1129	65.1	256	2 US-08-539-005-4	Sequence 4, Appli
5	807.5	46.6	236	1 US-08-167-035-39	Sequence 39, Appli
6	807.5	46.6	236	1 US-08-208-887A-39	Sequence 39, Appli
7	807.5	46.6	236	2 US-08-539-005-39	Sequence 39, Appli
8	387.5	22.4	107	1 US-08-167-035-25	Sequence 25, Appli
9	387.5	22.4	107	1 US-08-208-887A-25	Sequence 25, Appli
10	387.5	22.4	107	2 US-08-479-078-24	Sequence 24, Appli
11	387.5	22.4	107	2 US-08-539-005-25	Sequence 25, Appli
12	348.5	20.1	89	1 US-08-446-038B-23	Sequence 23, Appli
13	348.5	20.1	89	1 US-08-446-010B-23	Sequence 23, Appli
14	348.5	20.1	89	2 US-08-805-445-23	Sequence 23, Appli
15	348.5	20.1	89	2 US-08-064-067D-23	Sequence 23, Appli
16	348.5	20.1	89	2 US-09-066-208-23	Sequence 23, Appli
17	266	15.3	55	1 US-08-167-035-31	Sequence 31, Appli
18	266	15.3	55	1 US-08-208-887A-31	Sequence 31, Appli
19	266	15.3	55	2 US-08-539-005-31	Sequence 31, Appli
20	257	14.8	50	2 US-08-459-368-57	Sequence 57, Appli
21	257	14.8	50	3 US-08-399-411-57	Sequence 57, Appli
22	230.5	13.3	801	1 US-07-906-349A-6	Sequence 6, Appli
23	230.5	13.3	801	1 US-08-167-035-6	Sequence 6, Appli
24	224	12.9	217	1 US-08-208-887A-6	Sequence 6, Appli
25	224	12.9	217	1 US-08-539-005-6	Sequence 6, Appli
26	224	12.9	217	2 US-08-815-176-3	Sequence 3, Appli

28	224	12.9	217	2	US-08-815-176-4	Sequence 4, Appli
29	224	12.9	217	4	US-08-664-962B-6	Sequence 6, Appli
30	224	12.9	217	4	US-09-311-743-6	Sequence 6, Appli
31	210	12.1	183	1	US-08-167-035-33	Sequence 33, Appli
32	210	12.1	183	1	US-08-208-887A-33	Sequence 33, Appli
33	210	12.1	183	2	US-08-539-005-33	Sequence 33, Appli
34	202	11.7	228	1	US-08-167-035-47	Sequence 47, Appli
35	202	11.7	228	1	US-08-208-887A-47	Sequence 47, Appli
36	202	11.7	228	2	US-08-539-005-47	Sequence 47, Appli
37	202	11.7	228	2	US-08-815-176-5	Sequence 5, Appli
38	177	10.2	1290	1	US-08-138-641-2	Sequence 2, Appli
39	177	10.2	1290	1	US-08-138-133-2	Sequence 2, Appli
40	167	9.6	844	1	US-07-646-537B-2	Sequence 2, Appli
41	151.5	8.7	330	2	US-08-815-176-1	Sequence 1, Appli
42	149	8.6	464	1	US-08-475-894-4	Sequence 4, Appli
43	149	8.6	464	1	US-08-484-710-4	Sequence 4, Appli
44	149	8.6	464	2	US-08-484-709-4	Sequence 4, Appli
45	149	8.6	464	4	US-08-474-697-4	Sequence 4, Appli

ALIGNMENTS

RESULT 1
US-07-906-349A-8
; Sequence 8, Application US/07906349A
; Patent No. 5434064
; GENERAL INFORMATION:
; APPLICANT: Schlessinger, Joseph
; APPLICANT: Skolnik, Edward Y.
; TITLE OF INVENTION: A NOVEL EXPRESSION-CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE KINASES
; TITLE OF INVENTION: TARGET PROTEINS
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brody and Neimark
; STREET: 419 Seventh Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/906,349A
; FILING DATE: 30-JUN-1992.
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/643,237
; FILING DATE: 18-JAN-1991
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 256 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-906-349A-8

Query Match 65.1%; Score 1129; DB 1; Length 256;
Best Local Similarity 98.2%; Pred. No. 4.8e-93;
Matches 215; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
OY 5 AGNFDSEERSRWYGRSROEAVALLGGRRHGVFLVDSSTPGDYLVSENSRVSHTI 64
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Db 33 AGNFDSEERSWYGRSLRQEAVALLOGORDGVFLVRDSTSPGQYVLSVSENSRVSHYI 92
QY 65 INSSGPRPVPSPAPQPPGVSRLRIGDQDFSLPALLEFYKIHLDLDTTLEPVARS 124
Db 93 INSSGPRPVPSPAPQPPGVSRLRIGDQDFSLPALLEFYKIHLDLDTTLEPVARS 152
QY 125 RQSGVILRQEAQYVRLDFNGNDEEDLPFKKGDILIRIDKPEQWMAEDSEGRKM 184
Db 153 RQSGVILRQEAQYVRLDFNGNDEEDLPFKKGDILIRIDKPEQWMAEDSEGRKM 212
QY 185 IPVYVEKYPASASVSALIGNEGSHPOPLGGRSLGP 223
Db 213 IPVYVEKYPASASVSALIGNEGSHPOPLGGRSLGP 251

RESULT 2
US-08-167-035-4
; Sequence 4, Application US/08167035
; Patent No. 5618691
; GENERAL INFORMATION:
; APPLICANT: Schlessinger, Joseph
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
; TITLE OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: 10036-2711
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/167,035
; FILING DATE: 16-DEC-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-062
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 256 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-167-035-4

Query Match 65.1%; Score 1129; DB 1; Length 256;
Best Local Similarity 98.2%; Pred. No. 4.8e-93;
Matches 215; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Db 153 RQSGVILRQEAQYVRLDFNGNDEEDLPFKKGDILIRIDKPEQWMAEDSEGRKM 212
QY 185 IPVYVEKYPASASVSALIGNEGSHPOPLGGRSLGP 223
Db 213 IPVYVEKYPASASVSALIGNEGSHPOPLGGRSLGP 251

RESULT 3
US-08-208-887A-4
; Sequence 4, Application US/08208887A
; Patent No. 5677421
; GENERAL INFORMATION:
; APPLICANT: Schlessinger, Joseph
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
; TITLE OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: 10036-2711
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/208,887A
; FILING DATE: 11-MAR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-063
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 256 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-208-887A-4

Query Match 65.1%; Score 1129; DB 1; Length 256;
Best Local Similarity 98.2%; Pred. No. 4.8e-93;
Matches 215; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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RESULT 4
US-08-539-005-4
; Sequence 4, Application US/08539005
; Patent No. 5858686
; GENERAL INFORMATION:
; APPLICANT: Schlessinger, Joseph
; APPLICANT: Skolnick, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
; TITLE OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: 10036-2711
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/539,005
; FILING DATE: 4-OCT-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/167,035
; FILING DATE: 16-DEC-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-062
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 256 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-539-005-4

Query Match          65.1%; Score 1129; DB 2; Length 256;
Best Local Similarity 98.2%; Pred. No. 4.8e-93;
Matches 215; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 5 AGNFDSEBRSWYGRSLRQEAVALLOGRHGVFLVRODSTSPGDYVLSVSENSRVSHYI 64
    |||||||
DB 33 AGNFDSEBRSWYGRSLRQEAVALLOGRHGVFLVRODSTSPGDYVLSVSENSRVSHYI 92
    |||||||
QY 65 INSSGPRPPVPPSPAPQPPGVSRLRIGDQFDSLPALEFYKIHVLDTTTLEPYAR 124
    |||||||
DB 93 INSSGPRPPVPPSPAPQPPGVSRLRIGDQFDSLPALEFYKIHVLDTTTLEPYAR 152
    |||||||
QY 125 RQSGGVILRQEALEYVALPFDNGNDEEDLPFKKDIILIRIDKPEQWMAEDSEGRGM 184
    |||||||
DB 153 RQSGGVILRQEALEYVALPFDNGNDEEDLPFKKDIILIRIDKPEQWMAEDSEGRGM 212
    |||||||
QY 185 IVPVYEKYRPASASVALIGNEGSHPOPLGCPPEGP 223
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DB 213 IVPVYEKYRPASASVALIGNEGSHPOPLGGRSLGP 251
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RESULT 5
US-08-167-035-39
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; Sequence 39, Application US/08167035
; Patent No. 5618691
; GENERAL INFORMATION:
; APPLICANT: Schlessinger, Joseph
; APPLICANT: Skolnick, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
; TITLE OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: 10036-2711
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/167,035
; FILING DATE: 16-DEC-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-062
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 236 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-167-035-39

Query Match          46.6%; Score 807.5; DB 1; Length 236;
Best Local Similarity 76.4%; Pred. No. 1.8e-64;
Matches 155; Conservative 17; Mismatches 30; Indels 1; Gaps 1;

QY 5 AGNFDSEBRSWYGRSLRQEAVALLOGRHGVFLVRODSTSPGDYVLSVSENSRVSHYI 64
    |||||||
DB 33 AGNFDSEBRSWYGRSLRQEAVALLOGRHGVFLVRODSTSPGDYVLSVSENSRVSHYI 92
    |||||||
QY 65 INSSGPRPPVPPSPAPQPPGVSRLRIGDQFDSLPALEFYKIHVLDTTTLEPYAR 123
    |||||||
DB 93 VNSLGRPAGRRAGGEGPAGLPTRFLIGDQFDSLPALEFYKIHVLDTTTLEPYAR 152
    |||||||
QY 124 SRQSGVILRQEALEYVALPFDNGNDEEDLPFKKDIILIRIDKPEQWMAEDSEGRGM 183
    |||||||
DB 153 SRQSGVILRQEALEYVALPFDNGNDEEDLPFKKDIILIRIDKPEQWMAEDSEGRGM 212
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QY 184 MIPVYEKYRPASASVALIGS 206
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DB 213 MIPVYEKYRPASASVSTLTGS 235
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RESULT 6
US-08-208-887A-39
; Sequence 39, Application US/08208887A
; Patent No. 5677421
; GENERAL INFORMATION:
; APPLICANT: Schlessinger, Joseph
; APPLICANT: Skolnick, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
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;; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
;; TITLE OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
;; NUMBER OF SEQUENCES: 51
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: PENNIE & EDMONDS
;; STREET: 1155 Avenue of the Americas
;; CITY: New York
;; STATE: New York
;; COUNTRY: 10036-2711
;; ZIP: 10036-2711
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/208,887A
;; FILING DATE: 11-MAR-1994
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Coruzzi, Laura A.
;; REGISTRATION NUMBER: 30,742
;; REFERENCE/DOCKET NUMBER: 7683-063
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (212) 790-9090
;; TELEFAX: (212) 869-9741/8864
;; TELEX: 66141 PENNIE
;; INFORMATION FOR SEQ ID NO: 39:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 236 amino acids
;; TYPE: amino acid
;; TOPOLOGY: unknown
;; MOLECULE TYPE: protein
;; US-08-208-887A-39

Query Match 46.6%; Score 807.5; DB 1; Length 236;
Best Local Similarity 76.4%; Pred. No. 1.8e-64;
Matches 155; Conservative 17; Mismatches 30; Indels 1; Gaps 1;

QY 5 AGNDSERSRWYGRSLROEAVALLQGRHGVFLVRDSTSPGDDYLVSVSESRVSHYI 64
DB 33 AGQDSEDRGSMYGRSLRQDAVSLIQGRHGTFLVRDSTSPGDDYLVSVSESRVSHYI 92
QY 65 INSSGPRPPVPPSPAPQ-PPGVSPSLRIQDOEFDLSLALLEFYKIHLYLDTTLLIEPVAR 123
DB 93 VNSIGPAGRRAGGEGGAPGLNPTFLIGDQYFDSLPSLLEFYKIHLYLDTTLLIEPVSR 152
QY 124 SROGSGVILROEAEYVRLPFDNGNDEEDLPFKKGDLIRIRKPEQOMNAEDSEGKRG 183
DB 153 SRQNSGVILROEAEYVRLPFDKGNDDGDLPRKKGDLIRKPEQOMNAEDMDGKRG 212
QY 184 MIPVPEYKRPASASVALIGG 206
DB 213 MIPVPEYKCRPSSASVSTLTGG 235

RESULT 7
US-08-539-005-39
; Sequence 39, Application US/08539005
; Patent No. 5858686
; GENERAL INFORMATION:
; APPLICANT: Schlessinger, Joseph
; APPLICANT: Skolnick, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
; TITLE OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York

;; STATE: New York
;; COUNTRY: 10036-2711
;; ZIP: 10036-2711
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/539,005
;; FILING DATE: 4-OCT-1995
;; CLASSIFICATION: 435
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/167,035
;; FILING DATE: 16-DEC-1993
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Coruzzi, Laura A.
;; REGISTRATION NUMBER: 30,742
;; REFERENCE/DOCKET NUMBER: 7683-062
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (212) 790-9090
;; TELEFAX: (212) 869-9741/8864
;; TELEX: 66141 PENNIE
;; INFORMATION FOR SEQ ID NO: 39:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 236 amino acids
;; TYPE: amino acid
;; TOPOLOGY: unknown
;; MOLECULE TYPE: protein
;; US-08-539-005-39

Query Match 46.6%; Score 807.5; DB 2; Length 236;
Best Local Similarity 76.4%; Pred. No. 1.8e-64;
Matches 155; Conservative 17; Mismatches 30; Indels 1; Gaps 1;

QY 5 AGNDSERSRWYGRSLROEAVALLQGRHGVFLVRDSTSPGDDYLVSVSESRVSHYI 64
DB 33 AGQDSEDRGSMYGRSLRQDAVSLIQGRHGTFLVRDSTSPGDDYLVSVSESRVSHYI 92
QY 65 INSSGPRPPVPPSPAPQ-PPGVSPSLRIQDOEFDLSLALLEFYKIHLYLDTTLLIEPVAR 123
DB 93 VNSIGPAGRRAGGEGGAPGLNPTFLIGDQYFDSLPSLLEFYKIHLYLDTTLLIEPVSR 152
QY 124 SROGSGVILROEAEYVRLPFDNGNDEEDLPFKKGDLIRIRKPEQOMNAEDSEGKRG 183
DB 153 SRQNSGVILROEAEYVRLPFDKGNDDGDLPRKKGDLIRKPEQOMNAEDMDGKRG 212
QY 184 MIPVPEYKRPASASVALIGG 206
DB 213 MIPVPEYKCRPSSASVSTLTGG 235

RESULT 8
US-08-167-035-25
; Sequence 25, Application US/08167035
; Patent No. 5618691
; GENERAL INFORMATION:
; APPLICANT: Schlessinger, Joseph
; APPLICANT: Skolnick, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
; TITLE OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: 10036-2711
; ZIP: 10036-2711

OY 76 PSPAQP-PCGVSPRLRIGDGFDSLPALLEFYKIHLYDTTLLIEPV 121
 Db 61 AGGCGPAPGLNPTKRLIGDNVFDLSPLLEFYKIHLYDTTLLIEPV 107

RESULT 11

US-08-539-005-25
 ; Sequence 25, Application US/08539005
 ; Patent No. 5858686
 ; GENERAL INFORMATION:
 ; APPLICANT: Schlössinger, Joseph
 ; APPLICANT: Skolnick, Edward Y.
 ; APPLICANT: Margolis, Benjamin L.
 ; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
 ; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
 ; NUMBER OF SEQUENCES: 50
 ; CORRESPONDENCE ADDRESSES:
 ; ADDRESSEE: PENNIE & EDMONDS
 ; STREET: 1155 Avenue of the Americas
 ; CITY: New York
 ; STATE: New York
 ; COUNTRY: 10036-2711
 ; ZIP: 10036-2711
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/539,005
 ; FILING DATE: 4-OCT-1995
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/167,035
 ; FILING DATE: 16-DEC-1993
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Coruzzi, Laura A.
 ; REGISTRATION NUMBER: 30,742
 ; REFERENCE/DOCKET NUMBER: 7683-062
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (212) 790-6090
 ; TELEFAX: (212) 869-9741/8864
 ; TELEX: 66141 PENNIE
 ; INFORMATION FOR SEQ ID NO: 25:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 107 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: unknown
 ; MOLECULE TYPE: protein
 ; US-08-539-005-25

Query Match 22.4%; Score 387.5; DB 2; Length 107;
 Best Local Similarity 71.0%; Pred. No. 1,6e-27;
 Matches 76; Conservative 10; Mismatches 20; Indels 1; Gaps 1;

OY 16 WYWGRLSROEAVALLQGRHGVFLVRSSTSPGDYVLSVSENSRVSHYTIINSGPRPPV 75
 Db 1 WYWGRLSRGAVSLLOGQRHGTFLVRSSTSPGDYVLSVSENSRVSHYTIINSGPRPPV 60
 OY 76 PSPAQP-PCGVSPRLRIGDGFDSLPALLEFYKIHLYDTTLLIEPV 121
 Db 61 AGGCGPAPGLNPTKRLIGDNVFDLSPLLEFYKIHLYDTTLLIEPV 107

RESULT 12
 US-08-446-038B-23
 ; Sequence 23, Application US/08446038B
 ; Patent No. 5658791
 ; GENERAL INFORMATION:

APPLICANT: Wilks, Andrew F.; Ziemiacki, Andrew;
 APPLICANT: Harpur, Ailsa
 TITLE OF INVENTION: No. 5658791e1 Protein Tyrosine Kinase
 NUMBER OF SEQUENCES: 23
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Felife & Lynch
 STREET: 805 Third Avenue
 CITY: New York City
 STATE: New York
 COUNTRY: USA
 ZIP: 10022

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
 COMPUTER: IBM PS/2
 OPERATING SYSTEM: PC-DOS
 SOFTWARE: Wordperfect
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/446,038B
 FILING DATE: 19-MAY-1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/064,067
 FILING DATE: 30-Jun-1993
 APPLICATION NUMBER: PCT/US91/08889
 FILING DATE: 26-No. 5658791-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: Australian PK3594/90
 FILING DATE: 28-No. 5658791-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: Australian 88229/91
 FILING DATE: 27-No. 5658791-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Hanson, No. 5658791man D.
 REGISTRATION NUMBER: 30,946
 REFERENCE/DOCKET NUMBER: LUD 5244
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-688-9200
 TELEFAX: 212-838-3884
 INFORMATION FOR SEQ ID NO: 23:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 89 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 US-08-446-038B-23

Query Match 20.1%; Score 348.5; DB 1; Length 89;
 Best Local Similarity 66.0%; Pred. No. 3,6e-24;
 Matches 70; Conservative 8; Mismatches 11; Indels 17; Gaps 1;

OY 16 WYWGRLSROEAVALLQGRHGVFLVRSSTSPGDYVLSVSENSRVSHYTIINSGPRPPV 75
 Db 1 WYWGRLSRGAVSLLOGQRHGTFLVRSSTSPGDYVLSVSENSRVSHYTIINSGPRPPV 60

OY 76 PSPAQP-PCGVSPRLRIGDGFDSLPALLEFYKIHLYDTTLLIEPV 121
 Db 55 -----PAGGRAGGFEFDSPLLEFYKIHLYDTTLLIEPV 89

RESULT 13
 US-08-446-010B-23
 ; Sequence 23, Application US/08446010B
 ; Patent No. 5716818
 ; GENERAL INFORMATION:
 ; APPLICANT: Wilks, Andrew F.; Ziemiacki, Andrew;
 ; APPLICANT: Harpur, Ailsa
 ; TITLE OF INVENTION: No. 5716818e1 Protein Tyrosine Kinase
 ; NUMBER OF SEQUENCES: 25
 ; CORRESPONDENCE ADDRESSES:
 ; ADDRESSEE: Felife & Lynch
 ; STREET: 805 Third Avenue
 ; CITY: New York City
 ; STATE: New York

```

;
; COUNTRY: USA
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/446,010B
; FILING DATE: 19-May-1995
; CLASSIFICATION: 433
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/446,038
; FILING DATE: 19-May-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/064,067
; FILING DATE: 30-Jun-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US91/08889
; FILING DATE: 26-No. 5716818-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: Australian PK3594/90
; FILING DATE: 28-No. 5716818-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: Australian 88229/91
; FILING DATE: 27-No. 5716818-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Baer, Madeline F.
; REGISTRATION NUMBER: 36,437
; REFERENCE/DOCKET NUMBER: LUD 5244.3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-688-9200
; TELEFAX: 212-838-3884
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 89 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
;
US-08-446-010B-23
;
Query Match 20.1%; Score 348.5; DB 1; Length 89;
Best Local Similarity 66.0%; Pred. No. 3.6e-24;
Matches 70; Conservative 8; Mismatches 11; Indels 17; Gaps 1;
;
QY 16 WYWGRLSROEAVALLQGRHGVLVNRDSTSPGDVYLSVSENSRVSHYIINSSGPRPPV 75
| | | | | : | | | | | : | | | | | : | | | | | : | | | | | : | | | | |
Db 1 WYWGRLSRGDAVSLDQGRHGTFLVNRDGSIPGDFVLSVSSSRVSHYIIVNSLG----- 54
;
QY 76 PSPAQPPGVSPSRRLRIGDQFDSLPALEFYKIHLYDITTTLLIEPV 121
| : | | | | | : | | | | | : | | | | | : | | | | | : | | | | |
Db 55 -----PAGGRRAGEFDSLPSLLEFYKIHLYDITTTLLIEPV 89
;
RESULT 14
US-08-805-445-23
; Sequence 23, Application US/08805445
; Patent No. 5821069
; GENERAL INFORMATION:
; APPLICANT: Wilks, Andrew F.; Ziemiecki, Andrew;
; APPLICANT: Harput, Ailsa
; TITLE OF INVENTION: No. 5821069e1 Protein Tyrosine Kinase
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Felte & Lynch
; STREET: 805 Third Avenue
; CITY: New York City
; STATE: New York
; COUNTRY: USA
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
; COMPUTER: IBM PS/2
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; OPERATING SYSTEM: PC-DOS
; SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/805,445
; FILING DATE: 25-FEB-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/446,038
; FILING DATE: 19-MAY-1995
; APPLICATION NUMBER: 08/064,067
; FILING DATE: 30-Jun-1993
; APPLICATION NUMBER: PCT/US91/08889
; FILING DATE: 26-No. 5821069-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: Australian PK3594/90
; FILING DATE: 28-No. 5821069-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: Australian 88229/91
; FILING DATE: 27-No. 5821069-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Hanson, No. 5821069man D.
; REGISTRATION NUMBER: 30,946
; REFERENCE/DOCKET NUMBER: LUD 5244
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-688-9200
; TELEFAX: 212-838-3884
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 89 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
;
US-08-805-445-23
;
Query Match 20.1%; Score 348.5; DB 2; Length 89;
Best Local Similarity 66.0%; Pred. No. 3.6e-24;
Matches 70; Conservative 8; Mismatches 11; Indels 17; Gaps 1;
;
QY 16 WYWGRLSROEAVALLQGRHGVLVNRDSTSPGDVYLSVSENSRVSHYIINSSGPRPPV 75
| | | | | : | | | | | : | | | | | : | | | | | : | | | | | : | | | | |
Db 1 WYWGRLSRGDAVSLDQGRHGTFLVNRDGSIPGDFVLSVSSSRVSHYIIVNSLG----- 54
;
QY 76 PSPAQPPGVSPSRRLRIGDQFDSLPALEFYKIHLYDITTTLLIEPV 121
| : | | | | | : | | | | | : | | | | | : | | | | | : | | | | |
Db 55 -----PAGGRRAGEFDSLPSLLEFYKIHLYDITTTLLIEPV 89
;
RESULT 15
US-08-064-067D-23
; Sequence 23, Application US/08064067D
; Patent No. 5852184
; GENERAL INFORMATION:
; APPLICANT: Wilks, Andrew F.; Ziemiecki, Andrew;
; APPLICANT: Harput, Ailsa
; TITLE OF INVENTION: No. 5852184e1 Protein Tyrosine Kinase
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Felte & Lynch
; STREET: 805 Third Avenue
; CITY: New York City
; STATE: New York
; COUNTRY: USA
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/064,067D
; FILING DATE: 30-Jun-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US91/08889
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